

## I. Inventor Search Results from Dialog

Set	Items	Description
S1	5464	AU= (HIGHLAND, R? OR HIGHLAND R? OR HIGHLAND(2N) RYAN OR WEST, R? OR WEST R? OR WEST(2N)(ROBERT OR ROB OR BOB) OR ZIEMKIEWICZ, P? OR ZIEMKIEWICZ P? OR ZIEMKIEWICZ(2N)(PETER OR PETE))
S2	778	S1 FROM 347,348,349,350,371
S3	601	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING
S4	56	S2 AND S3
S5	397	NOTIFI? OR NOTIFY??? OR MESSAGE? ? OR ADVISORY OR WARNING - OR ALERT??? OR SIGNAL OR SIGNALS OR EMAIL OR E()MAIL OR IM OR MESSAGE
S6	4	S4(S)S5
S7	4	IDPAT (sorted in duplicate/non-duplicate order)
S8	4	IDPAT (primary/non-duplicate records only)
S9	4686	S1 NOT S2
S10	545	S3 AND S9
S11	17	S5(S)S10
S12	14	RD (unique items)
S13	18	S8 OR S12

## II. Text Search Results from Dialog

### A. Patent Files, Abstract

Set	Items	Description
S1	182730	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING
S2	182730	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING
S3	83206	BASED OR PER OR DERIV? OR ACCORDING?? OR DETERMINED?? OR ASSOCIATED OR SUGGESTED OR DEPEND??? OR CONDITION?? OR PRECONDITION?? OR CONTINGEN??
S4	20813	PRICE OR PRICES OR PRICING OR VALUE OR VALUATION OR VALUATIONS OR WORTH
S5	82335	SECOND OR 2ND OR SEPARATE OR DISCRETE OR DISTINCT OR ANOTHER OR DIFFERENT OR OTHER OR ADD?? OR ADDITIONAL
S6	2512	DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUITIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR - PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVESTMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURITIES OR STOCK? ?

S7	44067	NOTIFI? OR NOTIFY??? OR MESSAGE? ? OR ADVISORY OR WARNING - OR ALERT??? OR SIGNAL OR SIGNALS OR EMAIL OR E()MAIL OR IM OR MESSAGE
S8	844	S2(10N)(S3(5N)S4)
S9	223	S5(5N)S6
S10	0	S7(S)S8(S)S9
S11	10	S2(S)S3(S)S4(S)S5(S)S6(S)S7
S12	4	S2(10N)S3(10N)S4(10N)S9
S13	13	S2(S)S3(S)S4(S)S9
S14	21	S11 OR S12 OR S13
S15	15	S14 AND IC= (G06F OR G06Q)
S16	15	IDPAT (sorted in duplicate/non-duplicate order)
S17	15	IDPAT (primary/non-duplicate records only)

## ***B. Patent Files, Full-Text***

Set	Items	Description
S1	560061	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR N- OTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OB- SERVING
S2	560061	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR N- OTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OB- SERVING
S3	546867	BASED OR PER OR DERIV? OR ACCORDING?? OR DETERMINED?? OR A- SSOCIATED OR SUGGESTED OR DEPEND??? OR CONDITION?? OR PRECOND- ITION?? OR CONTINGEN??
S4	318597	PRICE OR PRICES OR PRICING OR VALUE OR VALUATION OR VALUAT- IONS OR WORTH
S5	542332	SECOND OR 2ND OR SEPARATE OR DISCRETE OR DISTINCT OR ANOTH- ER OR DIFFERENT OR OTHER OR ADD?? OR ADDITIONAL
S6	75572	DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUI- TIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR - PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVES- TMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURIT- IES OR STOCK? ?
S7	380712	NOTIFI? OR NOTIFY??? OR MESSAGE? ? OR ADVISORY OR WARNING - OR ALERT??? OR SIGNAL OR SIGNALS OR EMAIL OR E()MAIL OR IM OR MESSAGE
S8	3373	S2(10N)(S3(5N)S4)
S9	13065	S5(5N)S6
S10	16	S7(S)S8(S)S9
S11	35	S8(S)S9
S12	16	S11(S)((TRADER OR MARKET)(2N)(EVENT OR EVENTS) OR RESTRUCT- UR??? OR SPECIAL()DIVIDEND OR DISTRIBUTION OR SPLIT OR SPLITS OR SPLITTING OR SPINOFF OR SPIN()OFF OR PREMATURE??(2N)EXPIR? OR DIVESTITURE OR LIQUIDAT???)
S13	18	S10 OR S12
S14	13	S13 AND IC= (G06F OR G06Q)
S15	13	IDPAT (sorted in duplicate/non-duplicate order)
S16	13	IDPAT (primary/non-duplicate records only)

### III. Text Search Results from Dialog

#### A. NPL Files, Abstract

Set	Items	Description
S1	2018295	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING
S2	2018295	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING
S3	806206	BASED OR PER OR DERIV? OR ACCORDING?? OR DETERMINED?? OR ASSOCIATED OR SUGGESTED OR DEPEND??? OR CONDITION?? OR PRECONDITION?? OR CONTINGEN??
S4	238661	PRICE OR PRICES OR PRICING OR VALUE OR VALUATION OR VALUATIONS OR WORTH
S5	830227	SECOND OR 2ND OR SEPARATE OR DISCRETE OR DISTINCT OR ANOTHER OR DIFFERENT OR OTHER OR ADD?? OR ADDITIONAL
S6	160252	DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUITIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR - PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVESTMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURITIES OR STOCK? ?
S7	170883	NOTIFI? OR NOTIFY??? OR MESSAGE? ? OR ADVISORY OR WARNING - OR ALERT??? OR SIGNAL OR SIGNALS OR EMAIL OR E()MAIL OR IM OR MESSAGE
S8	1913	S2(10N)(S3(5N)S4)
S9	15647	S5(5N)S6
S10	0	S7(S)S8(S)S9
S11	13	S8(S)S9
S12	49	S8 AND S9
S13	6	S7 AND S12
S14	19	S11 OR S13
S15	15	S14 NOT (PY> 2002 OR PD= 20021001:20021231)
S16	15	RD (unique items)
S17	144	S2(S)S3(S)S4(S)S5(S)S6(S)S7
S18	0	S8(S)S17
S19	16	S9(S)S17
S20	65	S12 OR S19
S21	46	S20 NOT S14
S22	34	S21 NOT (PY> 2002 OR PD= 20021001:20021231)
S23	32	RD (unique items)

#### B. NPL Files, Full-text

##### Full text NPL files – 1

Set	Items	Description
S0	2	* KEEP*

S4 105230 S1(20N)(S2(10N)S3)  
 S5 105230 ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR N-  
 OTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR  
 REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK  
 OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OB-  
 SERVING  
 S6 105230 BASED OR PER OR DERIV? OR ACCORDING?? OR DETERMINED?? OR A-  
 SSOCIATED OR SUGGESTED OR DEPEND??? OR CONDITION?? OR PRECOND-  
 ITION?? OR CONTINGEN??  
 S7 105230 PRICE OR PRICES OR PRICING OR VALUE OR VALUATION OR VALUAT-  
 IONS OR WORTH  
 S8 91963 SECOND OR 2ND OR SEPARATE OR DISCRETE OR DISTINCT OR ANOTH-  
 ER OR DIFFERENT OR OTHER OR ADD?? OR ADDITIONAL  
 S9 87766 DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUI-  
 TIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR -  
 PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVES-  
 TMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURIT-  
 IES OR STOCK? ?  
 S10 17451 NOTIFI? OR NOTIFY??? OR MESSAGE? ? OR ADVISORY OR WARNING -  
 OR ALERT??? OR SIGNAL OR SIGNALS OR EMAIL OR E()MAIL OR IM OR  
 MESSAGE  
 S11 62069 S5(10N)(S6(5N)S7)  
 S12 43016 S8(5N)S9  
 S13 780 S10(S)S11(S)S12  
 S14 49023 S5(7N)(S6(3N)S7)  
 S15 40168 S8(3N)S9  
 S16 1 S10(10N)S14(10N)S15  
 S17 606 S10(S)S14(S)S15  
 S18 21967 S14(10N)S15  
 S19 470 S10(S)(S14(10N)S15)  
 S20 1 S10(20N)(S14(10N)S15)  
 S21 1 S10(50N)(S14(10N)S15)  
 S22 212 S5(10N)S6(10N)S7(10N)S8(10N)S9(10N)S10  
 S23 22 S14(S)S22  
 S24 54 S15(S)S22  
 S25 69 S23 OR S24  
 S26 15 S25 NOT (PY> 2002 OR PD= 20021001:20021231)  
 S27 11 RD (unique items)  
 S28 470 S19 NOT (CONFERENCE()CALL OR (FIRST OR 1ST OR SECOND OR 2ND  
 OR THIRD OR 3RD OR FOURTH OR 4TH OR FINAL OR PRELIMINARY OR -  
 INTERIM)()(QUARTER OR RESULTS) OR QUARTERLY OR ANNUAL()REPORT  
 OR (8 OR 10)()(K OR Q) OR 8K OR 8Q OR 10K OR 10Q OR WEBCAST OR  
 WEBINAR)  
 S29 0 S28 NOT (PY> 2002 OR PD= 20021001:20021231)  
 S30 0 RD (unique items)

## Full text NPL files – 2

Set	Items	Description
S1	11508683	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR N- OTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OB- SERVING
S2	491579	S1(10N)(DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUITIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR

INVESTMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURITIES OR STOCK? ?)

S3 491579 ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING

S4 374407 BASED OR PER OR DERIV? OR ACCORDING?? OR DETERMINED?? OR ASSOCIATED OR SUGGESTED OR DEPEND??? OR CONDITION?? OR PRECONDITION?? OR CONTINGEN??

S5 327936 PRICE OR PRICES OR PRICING OR VALUE OR VALUATION OR VALUATIONS OR WORTH

S6 360533 SECOND OR 2ND OR SEPARATE OR DISCRETE OR DISTINCT OR ANOTHER OR DIFFERENT OR OTHER OR ADD?? OR ADDITIONAL

S7 491579 DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUITIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVESTMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURITIES OR STOCK? ?

S8 119550 NOTIFI? OR NOTIFY??? OR MESSAGE? ? OR ADVISORY OR WARNING - OR ALERT??? OR SIGNAL OR SIGNALS OR EMAIL OR E()MAIL OR IM OR MESSAGE

S9 15977 S3(10N)(S4(5N)S5)

S10 139007 S6(5N)S7

S11 108 S8(S)S9(S)S10

S12 5 S8(10N)S9(10N)S10

S13 8 S11 NOT (CONFERENCE())CALL OR (FIRST OR 1ST OR SECOND OR 2ND OR THIRD OR 3RD OR FOURTH OR 4TH OR FINAL OR PRELIMINARY OR INTERIM)()(QUARTER OR RESULTS) OR QUARTERLY OR ANNUAL()REPORT OR (8 OR 10)()(K OR Q) OR 8K OR 8Q OR 10K OR 10Q OR WEBCAST OR WEBINAR)

S14 35123 S3(20N)(S4(10N)S5)

S15 183070 S6(10N)S7

S16 205 S8(S)S14(S)S15

S17 15 S16 NOT (CONFERENCE())CALL OR (FIRST OR 1ST OR SECOND OR 2ND OR THIRD OR 3RD OR FOURTH OR 4TH OR FINAL OR PRELIMINARY OR INTERIM)()(QUARTER OR RESULTS) OR QUARTERLY OR ANNUAL()REPORT OR (8 OR 10)()(K OR Q) OR 8K OR 8Q OR 10K OR 10Q OR WEBCAST OR WEBINAR)

S18 15 S13 OR S17

S19 6 S18 NOT (PY>2002 OR PD=20021001:20021231)

S20 6 RD (unique items)

### Full text NPL files - 3

Set	Items	Description
S1	4325025	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING
S2	255364	S1(10N)(DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUITIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVESTMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURITIES OR STOCK? ?)
S3	255364	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING

OTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING

S4 206427 BASED OR PER OR DERIV? OR ACCORDING?? OR DETERMINED?? OR ASSOCIATED OR SUGGESTED OR DEPEND??? OR CONDITION?? OR PRECONDITION?? OR CONTINGEN??

S5 169135 PRICE OR PRICES OR PRICING OR VALUE OR VALUATION OR VALUATIONS OR WORTH

S6 213614 SECOND OR 2ND OR SEPARATE OR DISCRETE OR DISTINCT OR ANOTHER OR DIFFERENT OR OTHER OR ADD?? OR ADDITIONAL

S7 255364 DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUITIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVESTMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURITIES OR STOCK? ?

S8 72157 NOTIFI? OR NOTIFY??? OR MESSAGE? ? OR ADVISORY OR WARNING - OR ALERT??? OR SIGNAL OR SIGNALS OR EMAIL OR E()MAIL OR IM OR MESSAGE

S9 5183 S3(10N)(S4(5N)S5)

S10 87923 S6(5N)S7

S11 6 S8(S)S9(S)S10

S12 1001 S3(S)S4(S)S5(S)S6(S)S7(S)S8

S13 7 S9(S)S12

S14 247 S10(S)S12

S15 309 S3(10N)S4(10N)S5(10N)S6(10N)S7(10N)S8

S16 60 S10(S)S15

S17 69 S11 OR S13 OR S16

S18 45 S17 NOT (PY> 2002 OR PD= 20021001:20021231)

S19 45 RD (unique items)

#### Full text NPL files - 4

Set	Items	Description
S1	6537446	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING
S2	396476	S1(10N)(DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUITIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVESTMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURITIES OR STOCK? ?)
S3	396476	ANNOTATION OR ANNOTATIONS OR ANNOTATING OR COMMENT??? OR NOTATION OR NOTATIONS OR NOTING OR NOTE OR NOTES OR REMINDER OR REMINDERS OR MEMO OR MEMOS OR MEMOES OR MEMORAND??? OR REMARK OR REMARKS OR REMARKING OR OBSERVATION OR OBSERVATIONS OR OBSERVING
S4	320508	BASED OR PER OR DERIV? OR ACCORDING?? OR DETERMINED?? OR ASSOCIATED OR SUGGESTED OR DEPEND??? OR CONDITION?? OR PRECONDITION?? OR CONTINGEN??
S5	263737	PRICE OR PRICES OR PRICING OR VALUE OR VALUATION OR VALUATIONS OR WORTH
S6	326787	SECOND OR 2ND OR SEPARATE OR DISCRETE OR DISTINCT OR ANOTHER OR DIFFERENT OR OTHER OR ADD?? OR ADDITIONAL
S7	396476	DEBT()(INSTRUMENT? ? OR SECURITY OR OBLIGATION? ?) OR EQUITIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVESTMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURITIES OR STOCK? ?

TIES OR (FINANCIAL OR TRADABLE OR TRADEABLE)()(VEHICLE? ? OR -  
 PRODUCT? ? OR INSTRUMENT? ? OR OBJECT? ?) OR FUTURES OR INVES-  
 TMENT OR INVESTMENTS OR REAL()ESTATE OR REALESTATE OR SECURIT-  
 IES OR STOCK? ?  
 S8 116734 NOTIFI? OR NOTIFY??? OR MESSAGE? ? OR ADVISORY OR WARNING -  
 OR ALERT??? OR SIGNAL OR SIGNALS OR EMAIL OR E()MAIL OR IM OR  
 MESSAGE  
 S9 8439 S3(10N)(S4(5N)S5)  
 S10 117032 S6(5N)S7  
 S11 6 S8(S)S9(S)S10  
 S12 1374 S3(S)S4(S)S5(S)S6(S)S7(S)S8  
 S13 13 S9(S)S12  
 S14 338 S10(7N)S12  
 S15 89096 S6(3N)S7  
 S16 254 S12(5N)S15  
 S17 18244 S3(20N)(S4(10N)S5)  
 S18 162442 S6(10N)S7  
 S19 38 S8(S)S17(S)S18  
 S20 50 S11 OR S13 OR S19  
 S21 16 S20 NOT (PY> 2002 OR PD= 20021001 OR 20021231)  
 S22 13 RD (unique items)